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(74) Agents: CLARK, Melody, E. et al.; McDermott, Will & Emery, 4370 La Jolla Village Drive, Seventh Floor, San Diego, CA 92122 (US).

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(71) Applicant (*for all designated States except US*): CEDARS-SINAI MEDICAL CENTER [US/US]; 8700 Beverly Boulevard, Los Angeles, CA 90048 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): ABREU, Maria, T. [US/US]; 1309 Marinette Road, Pacific Palisades, CA 90272 (US). TAYLOR, Kent, D. [US/US]; 9302 Halifax Street, Ventura, CA 93004 (US). ROTTER, Jerome, I. [US/US]; 2617 Greenfield Avenue, Los Angeles, CA 90064 (US). YANG, Huiying [US/US]; 16409 Holmes Place, Cerritos, CA 90604 (US). SUGIMURA, Kazuhito [JP/JP]; Heim Pastoral A3, Aoyama-Shinmachi-2f-10; Niigata 950-2009 (JP). TARGAN, Stephan, R. [US/US]; 240 22nd Street, Santa Monica, CA 90402 (US).

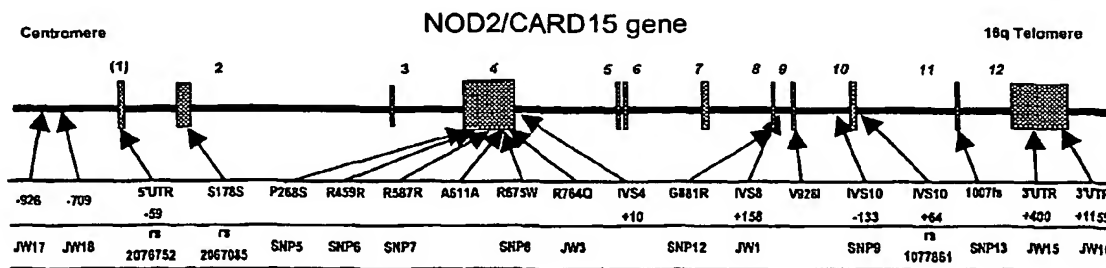
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(54) Title: MUTATIONS IN NOD2 ARE ASSOCIATED WITH FIBROSTENOSING DISEASE IN PATIENTS WITH CROHN'S DISEASE



(57) Abstract: The present invention provides a method of diagnosing or predicting susceptibility to a clinical subtype of Crohn's disease characterized by fibrostenosing disease by determining the presence or absence in an individual of a fibrostenosis-predisposing allele linked to a NOD2/CARD15 locus, where the presence of the fibrostenosis-predisposing allele is diagnostic of or predictive of susceptibility to the clinical subtype of Crohn's disease characterized by fibrostenosing disease. In a method of the invention, the clinical subtype of Crohn's disease can be, for example, characterized by fibrostenosing disease independent of small bowel involvement. The invention also provides a method of optimizing therapy in an individual by determining the presence or absence in the individual of a fibrostenosis-predisposing allele linked to a NOD2/CARD15 locus, diagnosing individuals in which the fibrostenosis-predisposing allele is present as having a fibrostenosing subtype of Crohn's disease, and treating the individual having a fibrostenosing subtype of Crohn's disease based on the diagnosis.

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